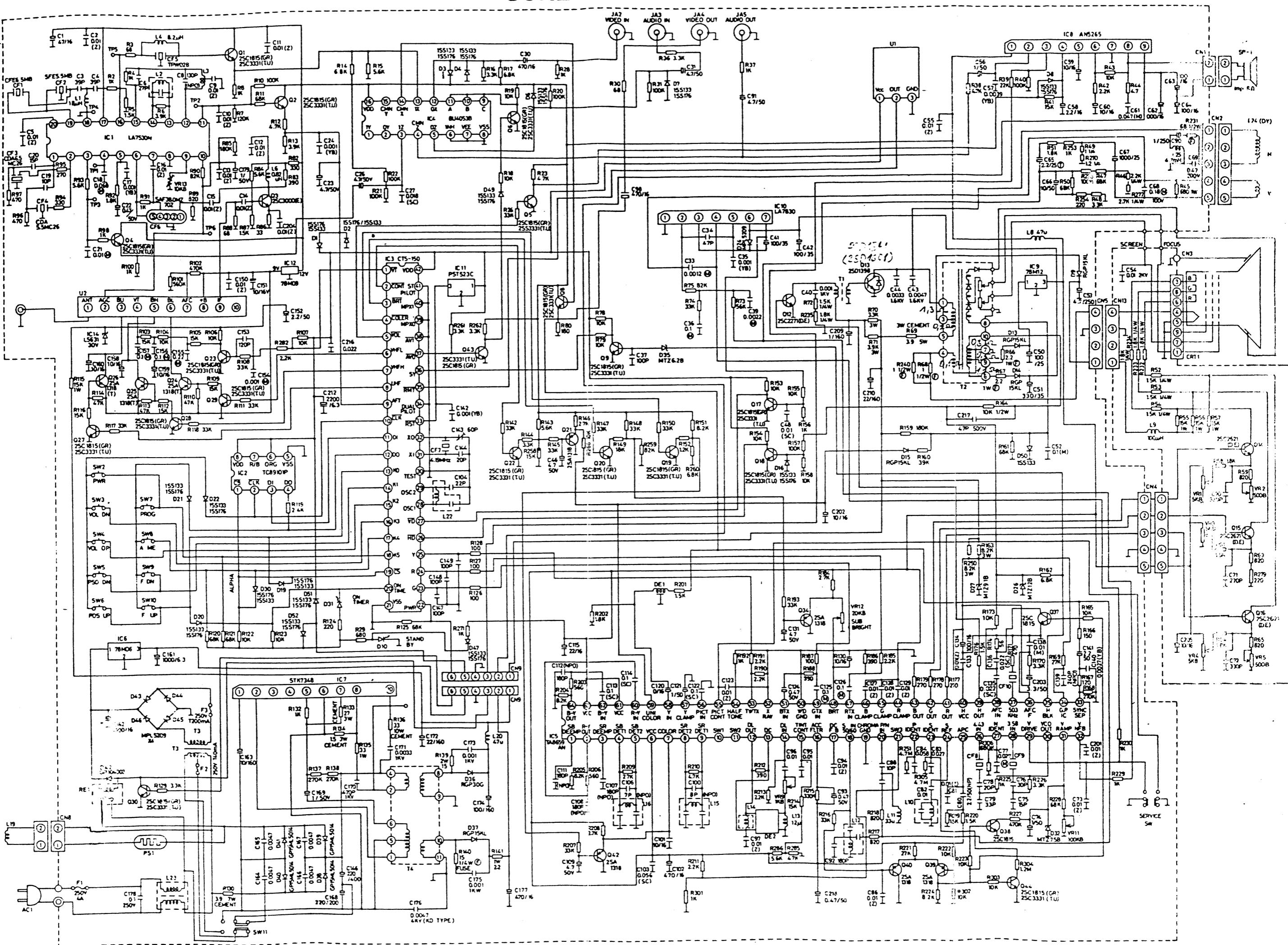
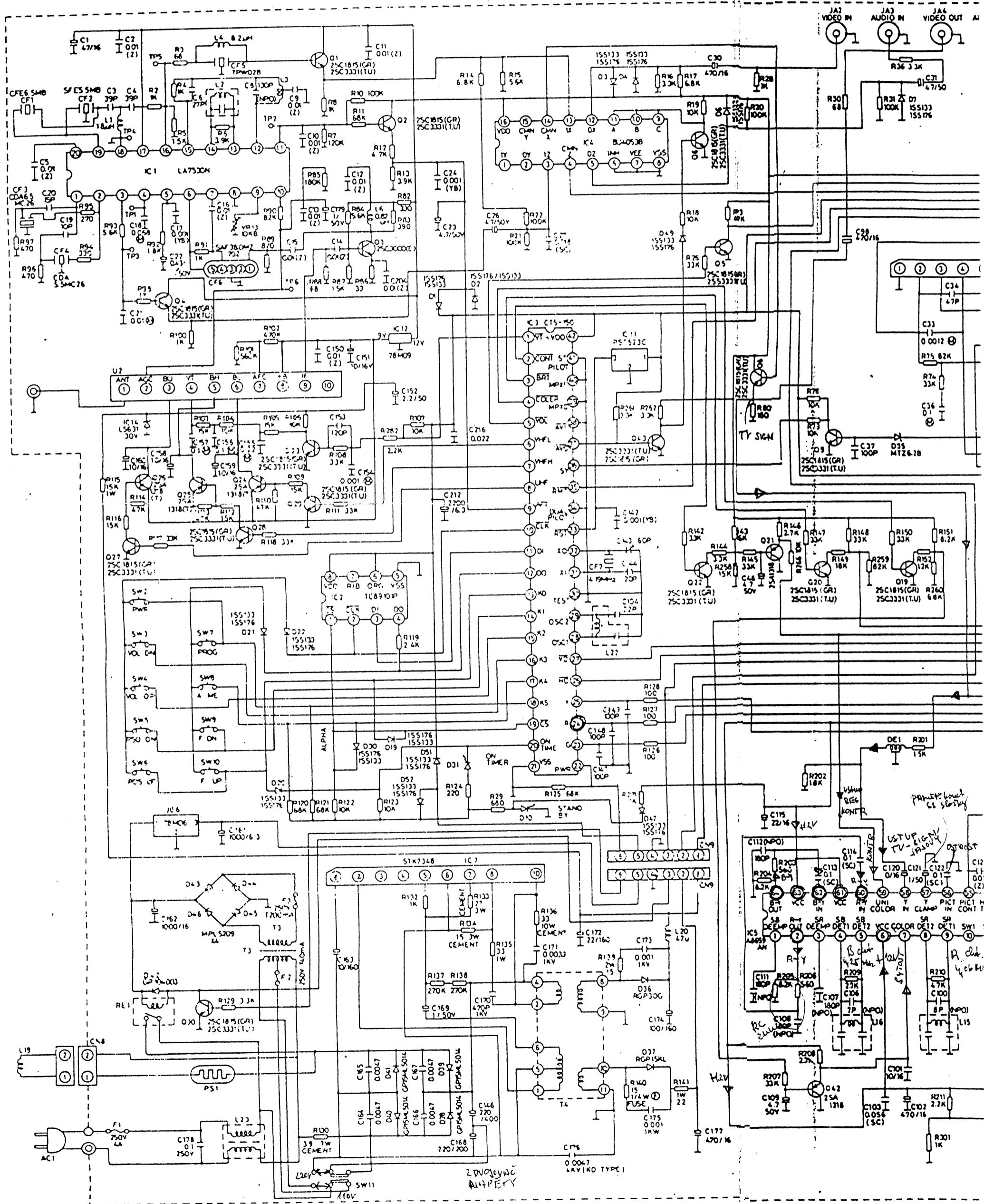


SCHEMATIC DIAGRAM

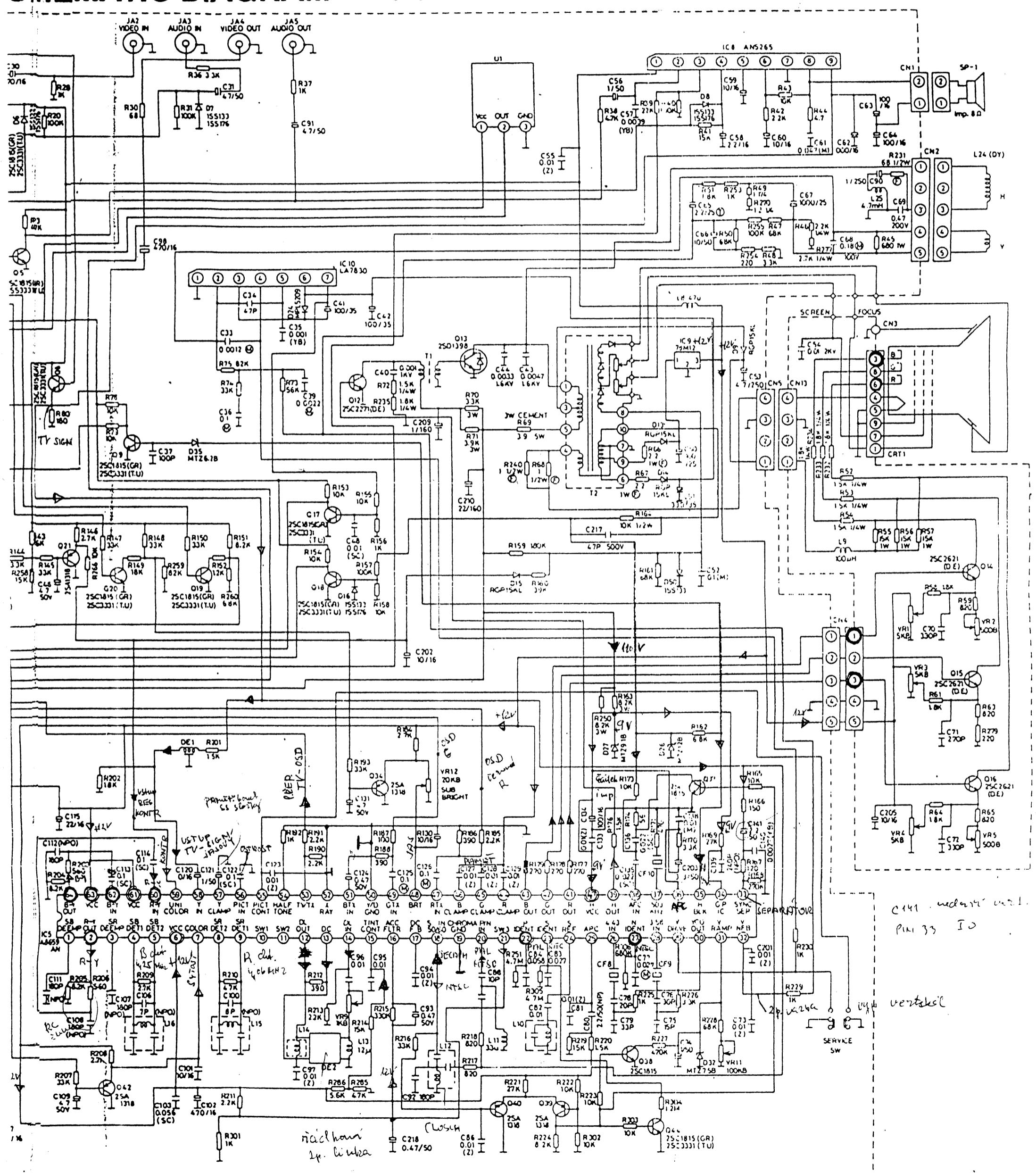
MK 4



SCHEMATIC DIAGRAM



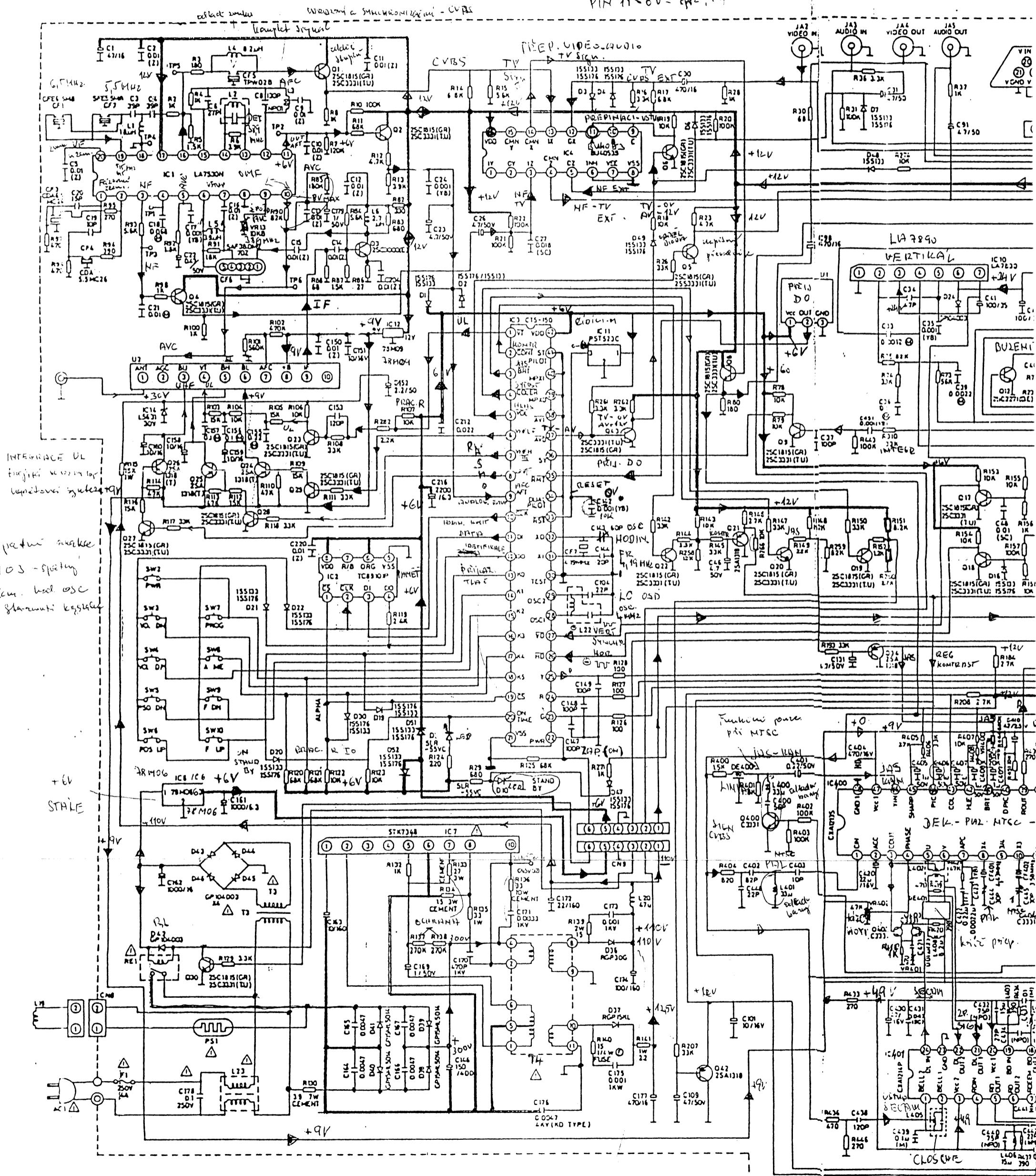
CHEMATIC DIAGRAM FUNAI

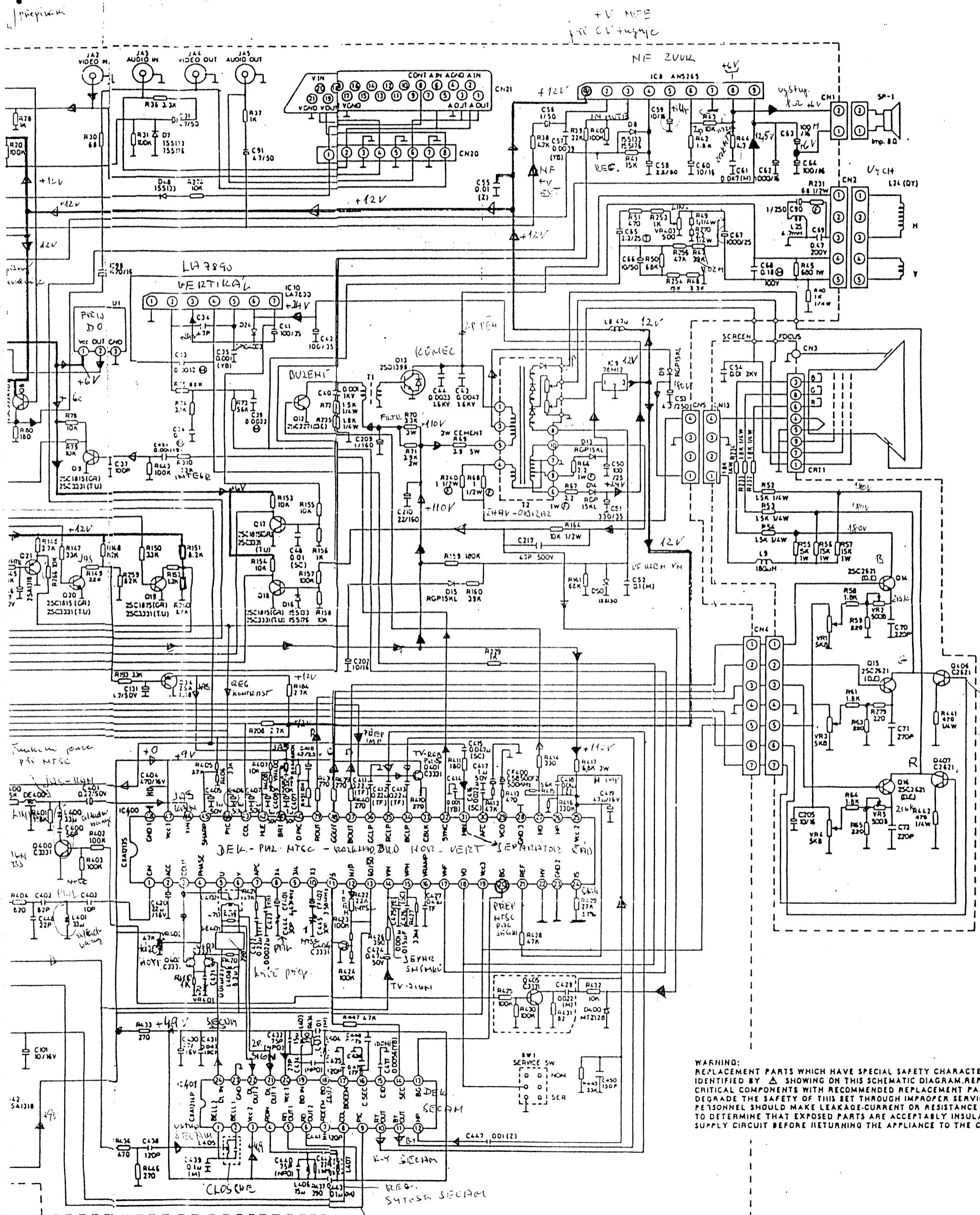


11. SCHEMATIC DIAGRAM

FUNAI

I04 42V 5P 13 prepriav
PIN 11 - 0V - E92, 14





WARNING:
REPLACEMENT PARTS WHICH HAVE SPECIAL SAFETY CHARACTERISTICS ARE IDENTIFIED BY  SHOWING ON THIS SCHEMATIC DIAGRAM. REPLACE THESE CRITICAL COMPONENTS WITH RECOMMENDED REPLACEMENT PARTS. DON'T DEGRADE THE SAFETY OF THIS SET THROUGH IMPROPER SERVICING. SERVICE PERSONNEL SHOULD MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

VOLTAGE CHART

Input Signal : Color bar signal
 Tone Volume : MAX.

(Unit : Volt)

	E	C	B
Q1	4.83	11.94	5.48
Q2	6.08	11.94	6.53
Q3	503m	6.66	1.26
Q4	3.68	11.94	4.3
Q5	0	11.25	59m
Q6	0	12m	660m
Q8	3.12	11.94	3.77
Q9	0	4.68	134m
Q12	0	55	421m
Q13	0	113.7	-118m
Q14	3.04	163.6	3.46
Q15	2.87	157.4	3.35
Q16	2.89	160.5	3.36
Q17	0	4.69	315m
Q18	0	4.33	-125m
Q19	0	2.32	247m
Q20	0	1.65	438m
Q21	3.80	0	3.13
Q22	0	1.35	487m
Q23	0	23	104m
Q24	9.22	9.12	8.48m
Q25	9.22	0	9.14
Q26	9.23	0	9.14
Q27	0	9.11	0
Q28	0	9.11	0
Q29	0	13m	634m
Q30	0	104m	789m
Q34	5.49	0	4.82
Q35	663m	0	27m
Q36	664m	0	29m
Q37	P/S	0	0
	NTSC	0	0.6
Q38	P/S	0	6.0
	NTSC	0	0.6
Q39	P/S	5.0	0
	NTSC	6.5	0.9
Q40	P/S	5.0	0
	NTSC	6.5	0
Q42	3.88	0	3.21
Q43	0	9.98	68m
Q44	P/S	0	4.7
	NTSC	0	0.6

NOTES :

P/SPAL or SECAM system
 NTSC.....NTSC system

(Unit : Volt)

	IC1	IC2	IC3	IC4
1	5.63	5.19	984m	-
2	4.62	3.47	2.84	-
3	4.27	3.47	2.84	5.86
4	7.43	3.47	1.30	5.90
5	7.02	0	82m	5.83
6	4.36	5.20	5.20	0
7	4.36	5.20	2m	0
8	0	5.20	2m	0
9	1.52		2.84	15m
10	8.53		3.48	15m
11	6.90		3.48	15m
12	3.89		3.48	3.77
13	8.48		5.11	4.38
14	8.47		5.13	3.77
15	3.89		5.12	723m
16	5.47		5.12	11.94
17	11.96		5.09	
18	0		5.13	
19	2.94		5.19	
20	2.95		5.19	
21			0	
22			5.05	
23			1m	
24			1m	
25			1m	
26			4.34	
27			4.70	
28			3.04	
29			3.05	
30			0	

(Unit : Volt)

	IC3
31	(2.28)
32	2.57
33	5.03
34	0
35	5.18
36	4.68
37	68m
38	0
39	0
40	0
41	0
42	5.22

IC400 [V]

	PAL	SECAM	NTSC
1	2.8	2.8	2.8
2	6.0	6.3	5.9
3	6.0	0.1	6.0
4	4.7	0.4	4.7
5	6.0	0.1	6.0
6	6.0	0.1	6.0
7	6.9	6.5	6.9
8	4.5	4.5	4.5
9	0.2	AC3.1	5.7
10	4.5	4.5	4.5
11	0.1	3.5	3.4
12	0.0	0.0	3.4
13	0.0	0.0	3.4
14	2.0	2.1	2.0
15	3.2	3.1	3.3
16	5.1	5.2	5.2
17	3.0	3.0	3.0
18	1.0	0.9	0.9
19	9.1	9.1	9.2
20	0.2	0.2	0.2
21	9.0	9.0	9.0
22	0.0	0.0	0.0
23	0.0	0.0	0.0
24	2.2	2.2	2.2
25	9.0	9.0	9.0
26	3.6	3.6	3.6
27	0.5	0.5	0.5
28	0.0	0.0	0.0
29	4.3	4.3	4.3
30	5.2	5.2	5.2
31	2.9	2.9	2.9
32	0.6	0.6	0.6
33	0.6	0.5	0.5
34	6.3	6.1	6.3
35	6.3	6.0	6.3
36	5.8	5.9	5.9
37	2.0	2.2	2.1
38	2.0	2.1	2.1
39	2.0	2.0	2.1
40	4.0	4.0	4.0
41	4.6	4.6	4.6
42	5.7	5.7	5.7
43	3.4	3.4	3.4
44	4.0	3.8	3.8
45	2.2	2.2	2.2
46	6.3	6.4	6.4
47	9.1	9.1	9.1
48	0.0	0.0	0.0

IC401 [V]

	PAL	SECAM	NTSC
1	2.5	2.5	2.5
2	2.5	2.5	2.5
3	4.9	4.9	4.9
4	4.9	4.9	4.9
5	1.7	1.7	1.7
6	1.7	1.7	1.7
7	2.5	2.5	2.5
8	3.4	3.4	3.4
9	3.9	3.8	3.8
10	2.7	2.6	2.7
11	2.7	2.7	2.7
12	1.7	1.7	1.7
13	0.2	0.2	0.2
14	0.1	3.9	0.1
15	2.1	2.0	2.1
16	3.7	2.7	3.6
17	2.3	2.3	2.3
18	1.7	1.7	1.7
19	4.9	4.9	4.9
20	4.9	4.9	4.9
21	2.5	2.5	2.5
22	2.5	2.5	2.5
23	0.0	0.0	0.0
24	2.5	2.5	2.5

P: PAL, S: SECAM, N: NTSC

		E	C	B
Q14	P	1.7	173.4	2.0
	S	1.9	168.2	2.2
	N	1.8	171.1	2.0
Q15	P	1.7	170.2	2.0
	S	1.7	170.0	2.0
	N	1.8	167.7	2.1
Q16	P	1.8	177.0	2.0
	S	1.7	177.4	2.0
	N	1.9	173.0	2.1
Q34	P	9.8	0.0	9.2
	S	9.8	0.0	9.2
	N	9.8	0.0	9.2
Q42	P	3.4	0.0	2.7
	S	3.4	0.0	2.7
	N	3.4	0.0	2.7
Q400	P	0.0	0.5	0.0
	S	0.0	0.5	0.0
	N	0.0	0.0	0.6
Q401	P	0.5	11.7	0.0
	S	0.6	11.7	0.0
	N	0.5	11.7	0.0
Q402	P	5.3	9.1	6.0
	S	1.9	9.1	0.1
	N	5.3	9.1	6.0
Q403	P	5.3	9.1	2.5
	S	1.9	9.1	2.5
	N	5.3	9.1	2.5
Q404	P	0.0	0.1	0.0
	S	0.0	3.5	0.0
	N	0.0	0.1	0.6
Q405	P	0.0	0.0	0.0
	S	0.0	0.0	0.0
	N	0.0	0.0	0.6
Q406	P	0.0	170.2	0.0
	S	0.0	169.8	0.0
	N	0.0	167.6	0.0
Q407	P	0.0	176.9	0.0
	S	0.0	177.2	0.0
	N	0.0	172.9	0.0

VOLTAGE CHARTS

Input Signal, :Color bar signal
Tone Volume, :Max

	E	C	B	(Unit: Volt)
Q1	4.83	11.94	5.48	
Q2	6.08	11.94	6.53	
Q3	508m	6.66	1.26	
Q4	3.68	11.94	4.3	
Q5	0	11.25	59m	
Q6	0	12m	660m	
Q8	3.12	11.94	3.77	
Q9	0	4.68	134m	
Q12	0	55	421m	
Q13	0	113.7	-118m	
Q17	0	4.69	315m	
Q18	0	4.33	-125m	
Q19	0	2.32	247m	
Q20	0	1.65	488m	
Q21	3.80	0	3.13	
Q22	0	1.36	487m	
Q23	0	23	104m	
Q24	9.22	9.12	8.48m	
Q25	9.22	0	9.14	
Q26	9.23	0	9.14	
Q27	0	9.11	0	
Q28	0	9.11	0	
Q29	0	13m	634m	
Q30	0	104m	789m	
Q35	663m	0	27m	
Q36	664m	0	29m	
Q43	0	9.98	68m	

	IC1	IC2	IC3	IC4	(Unit: Volt)
1	5.63	5.19	984m	-	
2	4.62	3.47	2.84	-	
3	4.27	3.47	2.84	5.86	
4	7.43	3.47	1.30	5.90	
5	7.02	0	82m	5.89	
6	4.36	5.20	5.20	0	
7	4.36	5.20	2m	0	
8	0	5.20	2m	0	
9	1.52		2.84	15m	
10	8.53		3.46	15m	
11	6.90		3.48	15m	
12	3.89		3.48	3.77	
13	8.48		5.11	4.33	
14	8.47		5.13	3.77	
15	3.89		5.12	723m	
16	5.47		5.12	11.94	
17	11.96		5.09		
18	0		5.13		
19	2.94		5.19		
20	2.95		5.19		
21			0		
22			5.05		
23			1m		
24			1m		
25			1m		
26			4.34		
27			4.70		
28			3.04		
29			3.05		
30			0		

	IC6	IC7	IC8	IC9	(Unit: Volt)
1	11.21	3.98	11.94	15.95	
2	0	491m	5.31	0	
3	5.96	-168m	49m	11.98	
4		3.28	11.39		
5		-1.06	5.52		
6		0	5.67		
7		252m	0		
8		328m	5.43		
9		-	12.15		
10		298			

	IC10	IC11	IC12	(Unit: Volt)
1	-1.39	5.23	11.95	
2	13.93	0	0	
3	24.9	5.04	9.23	
4	-548m			
5	-564m			
6	24.4			
7	230m			
8				
9				
10				

	IC3	(Unit: Volt)
31	(2.28)	
32	2.57	
33	5.03	
34	0	
35	5.18	
36	4.68	
37	63m	
38	0	
39	0	
40	0	
41	0	
42	5.22	

	IC14	(Unit: Volt)
1	0	
2	32	

(Unit : Volt)

	IC 5	
	PAL/SECAM	NTSC
1	8.7	8.7
2	8.0	8.0
3	8.7	8.7
4	6.5	6.5
5	6.5	6.5
6	12.0	12.0
7	4.1	4.1
8	6.5	6.5
9	6.5	6.5
10	6.0	0
11	6.0	6.0
12	5.2	5.2
13	5.2	5.2
14	8.0	8.0
15	8.9	8.9
16	10.5	10.5
17	3.4	3.4
18	4.5	7.4
19	0	0
20	5.9	5.9
21	3.7	3.7
22	11.5	11.5
23	5.3	5.3
24	5.7	5.7
25	5.9	5.9
26	3.2	3.2
27	9.7	9.7
28	3.2	3.2
29	0.9	0.9
30	9.1	9.1
31	6.4	6.4
32	6.3	6.3

	IC 5	
	PAL/SECAM	NTSC
33	6.6	6.6
34	3.7	3.7
35	0.7	0.7
36	7.4	7.4
37	-	-
38	6.8	6.8
39	2.2	2.2
40	9.0	9.0
41	3.2	3.2
42	3.2	3.2
43	3.2	3.2
44	3.2	3.2
45	3.3	3.3
46	3.2	3.2
47	6.7	6.7
48	3.4	3.4
49	6.9	6.9
50	0	0
51	6.6	6.6
52	0	0
53	0	0
54	0	0
55	5.6	5.6
56	3.2	3.2
57	5.5	5.5
58	4.8	4.8
59	3.3	3.3
60	6.2	6.2
61	12.0	12.0
62	6.2	6.2
63	12.0	12.0
64	8.0	8.0

(Unit : Volt)

	IC6	IC7	IC8	IC9
1	11.21	3.98	11.94	15.95
2	0	-491m	5.31	0
3	5.96	-168m	49m	11.93
4		3.28	11.39	
5		-1.06	5.52	
6		0	5.67	
7		252m	0	
8		328m	5.73	
9		-	12.15	
10		298		

(Unit : Volt)

	IC10	IC11	IC12
1	-1.39	5.23	11.95
2	13.93	0	0
3	24.9	5.04	9.23
4	-548m		
5	-564m		
6	24.4		
7	230m		
8			
9			
10			

(Unit : Volt)

	IC14
1	0
2	32